



**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 297-010321-US(PAR)

Serial No.:

Applicant(s): KAIKURANTA et al.

Filing Date: Herewith

Group:

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
AC ↓ ⊕	5,397,867	3/14/95	Demeo	200	5A	3/23/93
	5,847,336	12/8/98	Thornton	200	5A	5/2/97
	5,304,764	4/19/94	Kobayashi	200	314	2/19/92
	4,449,024	5/15/84	Stracener	200	317	5/3/83
	6,046,730	4/4/00	Bowen et al.	345	168	7/30/96

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
AC ↓ ⊕	EP 1006543 A1	6/7/00	Europe	Molex Inc.	n/a
	EP 0899762 A1	3/3/99	Europe	ALPS Electric Co., Ltd.	n/a
	EP 1006545 A1	6/7/00	Europe	Nokia Mobile Phones Ltd.	n/a

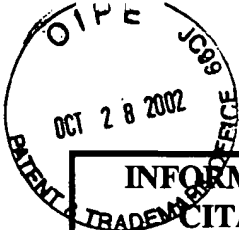
OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

Examiner's Signature: *AMZ*

Date Considered: 5/6/03

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.

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**INFORMATION DISCLOSURE
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Docket No.: 297-010321-US(PAR)

Serial No.: 09/847,142

Applicant(s): KAIKURANTA et al.

Filing Date: 5/2/01

Group: 2635

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
			RECEIVED OCT 30 2002 Technology Center 2600			

U.S. PATENT PUBLICATIONS

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
RZ	08-148056 ①	6/7/96	Japan	Mitsumi Electric Co., Ltd.	*
	4-68314 ②	6/17/92	Japan	Niles Components Co., Ltd.	**
	7-32832 ③	6/16/95	Japan	Hokuriku Electric Industry Co., Ltd.	***
	0554084 A2 ④	8/4/93	Europe	NEC Corporation	****
	11-191340 ⑤	7/13/99	Japan	Funai Electric Co., Ltd.	*****
	11-225198 ⑥	8/17/99	Japan	Koninkl Philips Electronics NV	*****
	WO 92/14345 ⑥	8/20/92	PCT	Motorola, Inc.	*****

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

	*English translation of the Abstract
	**English translation of the Abstract
	***English translation of the Abstract
	****corresponds to JP 5-204512 attached
	*****English translation of the Abstract
	*****English translation of the Abstract
	*****corresponds to JP 5-505929

Examiner's Signature: *WAA*

Date Considered: 5/7/03

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Customer No.: 2512

**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 297-010321-US(PAR)

Serial No.: 09/847,142

Applicant(s): KAIKURANTA et al.

Filing Date: 5/2/01

Group:

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date

U.S. PATENT PUBLICATIONS

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
K	10-093675 (1)	4/10/98	Japan	NEC Corp	*
	08-137487 (2)	5/31/96	Japan	Taito Corp.	*
	2000-075837 (7)	3/14/00	Japan	Matsushita Electric Works Ltd.	*
	08-146902 (8)	6/7/96	Japan	Daihatsu Motor Co. Ltd.	*
	11-126047 (9)	5/11/99	Japan	Nichia Chem Ind Ltd.	*
	11-327509 (10)	11/26/99	Japan	Nippon Signal Co Ltd	*
	08-265413 (13)	10/11/95	Japan	Nippon Denki IDO	*
	05-176044 (14)	7/13/93	Japan	Tsushin KK	*
	06-274261 (15)	9/30/94	Japan	Matsushita Electric Ind Co Ltd.	*
	11-088948 (16)	3/30/99	Japan	Matsushita Electric Ind Co Ltd.	*
				Nippon Flex KK	*

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

* Patent Abstracts of Japan English translations of the abstracts of these documents are attached.

Examiner's Signature: *all*

Date Considered: 5/7/03

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
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